Molecular Weight: 28,000

Physical Specifications:
- Frozen
- Purity: >= 95% by SDS-PAGE

Considerations:
- Storage Conditions: <= -70°C or lower
- Stability: > 1 year

Buffer:
- 10 mM NH₄ HCO₃, pH 7.4

Protein Determination:
- Extinction Coefficient (E) 0.1% at 280nm
  1 cm pathway = 1.22

Gel Scan of Representative Lot

SDS-PAGE:
- 4-12% Bis-Tris NuPAGE gel

1. Apo AI - 5 µg (reduced / heated)
2. Apo AI - 10 µg (reduced / heated)
3. Apo AI - 20 µg (reduced / heated)
4. LMW Standard (BIO-RAD Cat. No. 161-0304)
5. Apo AI - 5 µg (non-reduced / no heat)
6. Apo AI - 10 µg (non-reduced / no heat)
7. Apo AI - 20 µg (non-reduced / no heat)

97.4 kDa
66.2 kDa
45.0 kDa
31.0 kDa
21.5 kDa
14.4 kDa
Product: Apolipoprotein AI, Human Plasma
Catalog Number: 16-16-120101
Description: Frozen
Buffer: 10 mM NH₄ HCO₃, pH 7.4
Purity: >= 95% by SDS-PAGE
Molecular Weight: 28,000
Protein Determination:
Storage: -70°C
Stability: > 1 Year
Available Packaging: 500 µg per vial - 1 mg per vial
Larger aliquots upon request
Source: Human Plasma
Testing: Shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.
Extinction Coefficient (E) 0.1% at 280nm; 1cm pathway = 1.22
Athens Research & Technology products are laboratory reagents and are not to be administered to humans or used for any drug purpose. For research use or for use in further manufacturing.

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Product Name:    Apolipoprotein AI, Human Plasma
Catalog Number:    16-16-120101
Lot Number:     Information applies to all lots produced.
Manufacturing Information:   The methods and controls used in this facility for manufacturing, processing, packaging and holding of our products are in accordance with ISO9001:2008 Quality Management System.
Manufacturing Site:    Athens Research & Technology Inc., Athens, Georgia, USA
Raw Material Information:   The product contains no materials directly of animal origin and has not been in contact with products of animal origin in the course of its purification.
Country of Origin (manufacturing):  United States
Biological Source Material (COO):  United States
Donor Consent:   The raw material used in the purification of this product has been obtained from an FDA licensed collection center. Further the donor or the donor’s next of kin has given by signature full informed consent for the material to be used in commercial scientific research, including the sharing, transferring, or selling of samples to third parties involved in this research. The raw material was obtained in an ethical manner in full compliance with national legislation, and the donor identity is held as confidential information by the licensed collection center.